



Does Not Comply
Corrected Diskette Needed

OIKE

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

4 <110> APPLICANT: Charles A. Nicolette
 6 <120> TITLE OF INVENTION: Therapeutic Anti-melanoma Compounds
 9 <130> FILE REFERENCE: GZ 2103.00
 11 <140> CURRENT APPLICATION NUMBER: 09/922,405A
 C--> 12 <141> CURRENT FILING DATE: 2002-04-08
 14 <160> NUMBER OF SEQ ID NOS: 25
 16 <170> SOFTWARE: FastSEQ for Windows Version 3.0

ERRORED SEQUENCES

86 <210> SEQ ID NO: 4.
 87 <211> LENGTH: 27
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: MART-1
 W--> 94 <221> NAME/KEY: misc_feature
 95 <222> LOCATION: (3)...(3)
 96 <223> OTHER INFORMATION: n is A, C, G or T
 W--> 98 <221> misc_feature
 99 <222> LOCATION: (6)...(6)
 100 <223> OTHER INFORMATION: n is A, C, G or T
 W--> 102 <221> misc_feature
 103 <222> LOCATION: (9)...(9)
 104 <223> OTHER INFORMATION: n is A, C, G or T
 W--> 106 <221> misc_feature
 107 <222> LOCATION: (15)...(15)
 108 <223> OTHER INFORMATION: n is A, C, G or T
 W--> 110 <221> misc_feature
 111 <222> LOCATION: (21)...(24)
 112 <223> OTHER INFORMATION: n is A, C, G or T
 W--> 114 <221> misc_feature
 115 <222> LOCATION: (24)...(24)
 116 <223> OTHER INFORMATION: n is A, C G or T
 W--> 118 <221> misc_feature
 119 <222> LOCATION: (27)...(27)
 120 <223> OTHER INFORMATION: n is A, C, G or T
 W--> 122 <400> 4
 E--> 123 ytnwsnggna thgggnathyt nacngtn
 137 <210> SEQ ID NO: 6
 138 <211> LENGTH: 27
 139 <212> TYPE: DNA

The type of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

Insert here
 27 - Rule requires total number of nucleotides
 at the end of each line.

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

```

140 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: MART-1
W--> 146 <221> NAME/KEY: misc_feature
147 <222> LOCATION: (3)...(3)
148 <223> OTHER INFORMATION: n is A, C, G or T
W--> 150 <221> misc_feature
151 <222> LOCATION: (6)...(6)
152 <223> OTHER INFORMATION: n is A, C, G or T
W--> 154 <221> misc_feature
155 <222> LOCATION: (9)...(9)
156 <223> OTHER INFORMATION: n is A, C, G or T
W--> 158 <221> misc_feature
159 <222> LOCATION: (15)...(15)
160 <223> OTHER INFORMATION: n is A, C, G or T
W--> 162 <221> misc_feature
163 <222> LOCATION: (21)...(21)
164 <223> OTHER INFORMATION: n is A, C, G or T
W--> 166 <221> misc_feature
167 <222> LOCATION: (24)...(24)
168 <223> OTHER INFORMATION: n is A, C, G or T
W--> 170 <221> misc_feature
171 <222> LOCATION: (27)...(27)
172 <223> OTHER INFORMATION: n is A, C, G or T
W--> 174 <400> 6
E--> 175 ytnacnggna thgggnathyt nacngtn
189 <210> SEQ ID NO: 8
190 <211> LENGTH: 27
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: MART-1
W--> 197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: (3)...(3)
199 <223> OTHER INFORMATION: n is A, C, G or T
W--> 201 <221> misc_feature
202 <222> LOCATION: (6)...(6)
203 <223> OTHER INFORMATION: n is A, C, G or T
W--> 205 <221> misc_feature
206 <222> LOCATION: (9)...(9)
207 <223> OTHER INFORMATION: n is A, C, G or T
W--> 209 <221> misc_feature
210 <222> LOCATION: (15)...(15)
211 <223> OTHER INFORMATION: n is A, C, G or T
W--> 213 <221> misc_feature
214 <222> LOCATION: (21)...(21)
215 <223> OTHER INFORMATION: n is A, C, G or T
W--> 217 <221> misc_feature
218 <222> LOCATION: (24)...(24)

```

(27)

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

```

219 <223> OTHER INFORMATION: n is A, C, G or T
W--> 221 <221> misc_feature
222 <222> LOCATION: (27)...(27)
223 <223> OTHER INFORMATION: n is A, C, G or T
W--> 225 <400> 8
E--> 226 gtnacnggna thggnathyt nacngtn
240 <210> SEQ ID NO: 10
241 <211> LENGTH: 27
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: MART-1
W--> 248 <221> NAME/KEY: misc_feature
249 <222> LOCATION: (6)...(6)
250 <223> OTHER INFORMATION: n is A, C, G or T
W--> 252 <221> misc_feature
253 <222> LOCATION: (9)...(9)
254 <223> OTHER INFORMATION: n is A, C, G or T
W--> 256 <221> misc_feature
257 <222> LOCATION: (15)...(15)
258 <223> OTHER INFORMATION: n is A, C, G or T
W--> 260 <221> misc_feature
261 <222> LOCATION: (21)...(21)
262 <223> OTHER INFORMATION: n is A, C, G or T
W--> 264 <221> misc_feature
265 <222> LOCATION: (24)...(24)
266 <223> OTHER INFORMATION: n is A, C, G or T
W--> 268 <221> misc_feature
269 <222> LOCATION: (27)...(27)
270 <223> OTHER INFORMATION: n is A, C, G or T
W--> 272 <400> 10
E--> 273 ttygcnggna thggnathyt nacngtn
287 <210> SEQ ID NO: 12
288 <211> LENGTH: 27
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: MART-1
W--> 295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (3)...(3)
297 <223> OTHER INFORMATION: n is A, C, G or T
W--> 299 <221> misc_feature
300 <222> LOCATION: (6)...(6)
301 <223> OTHER INFORMATION: n is A, C, G or T
W--> 303 <221> misc_feature
304 <222> LOCATION: (9)...(9)
305 <223> OTHER INFORMATION: n is A, C, G or T
W--> 307 <221> misc_feature
308 <222> LOCATION: (15)...(15)

```

(27)

(27)

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

309 <223> OTHER INFORMATION: n is A, C, G or T
W--> 311 <221> misc_feature
312 <222> LOCATION: (21)...(21)
313 <223> OTHER INFORMATION: n is A, C, G or T
W--> 315 <221> misc_feature
316 <222> LOCATION: (24)...(24)
317 <223> OTHER INFORMATION: n is A, C, G or T
W--> 319 <221> misc_feature
320 <222> LOCATION: (9)...(9)
321 <223> OTHER INFORMATION: n is A, C, G or T
W--> 323 <400> 12
E--> 324 acngcnggna thggcnathyt nacngtn (27)
337 <210> SEQ ID NO: 14
338 <211> LENGTH: 27
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: MART-1
W--> 345 <221> NAME/KEY: misc_feature
346 <222> LOCATION: (3)...(3)
347 <223> OTHER INFORMATION: n is A, C, G or T
W--> 349 <221> misc_feature
350 <222> LOCATION: (6)...(6)
351 <223> OTHER INFORMATION: n is A, C, G or T
W--> 353 <221> misc_feature
354 <222> LOCATION: (9)...(9)
355 <223> OTHER INFORMATION: n is A, C, G or T
W--> 357 <221> misc_feature
358 <222> LOCATION: (15)...(15)
359 <223> OTHER INFORMATION: n is A, C, G or T
W--> 361 <221> misc_feature
362 <222> LOCATION: (21)...(21)
363 <223> OTHER INFORMATION: n is A, C, G or T
W--> 365 <221> misc_feature
366 <222> LOCATION: (24)...(24)
367 <223> OTHER INFORMATION: n is A, C, G or T
W--> 369 <221> misc_feature
370 <222> LOCATION: (27)...(27)
371 <223> OTHER INFORMATION: n is A, C, G or T
W--> 374 <400> 14
E--> 375 ggngunggna thggcnathyt ncangtn (27)
390 <210> SEQ ID NO: 16
391 <211> LENGTH: 27
392 <212> TYPE: DNA
393 <213> ORGANISM: Artificial Sequence
395 <220> FEATURE:
396 <223> OTHER INFORMATION: MART-1
W--> 398 <221> NAME/KEY: misc_feature
399 <222> LOCATION: (6)...(6)

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

```

400 <223> OTHER INFORMATION: n is A, C, G or T
W--> 402 <221> misc_feature
403 <222> LOCATION: (15)...(15)
404 <223> OTHER INFORMATION: n is A, C, G or T
W--> 406 <221> misc_feature
407 <222> LOCATION: (24)...(24)
408 <223> OTHER INFORMATION: n is A, C, G or T
W--> 410 <221> misc_feature
411 <222> LOCATION: (27)...(27)
412 <223> OTHER INFORMATION: n is A, C, G or T
W--> 415 <400> 16
E--> 416 ttttnttttc ayacngarta ygtngtn (27)
431 <210> SEQ ID NO: 18
432 <211> LENGTH: 27
433 <212> TYPE: DNA
434 <213> ORGANISM: Artificial Sequence
436 <220> FEATURE:
437 <223> OTHER INFORMATION: MART-1
W--> 439 <221> NAME/KEY: misc_feature
440 <222> LOCATION: (6)...(6)
441 <223> OTHER INFORMATION: n is A, C, G or T
W--> 443 <221> misc_feature
444 <222> LOCATION: (15)...(15)
445 <223> OTHER INFORMATION: n is A, C, G or T
W--> 447 <221> misc_feature
448 <222> LOCATION: (18)...(18)
449 <223> OTHER INFORMATION: n is A, C, G or T
W--> 451 <221> misc_feature
452 <222> LOCATION: (27)...(27)
453 <223> OTHER INFORMATION: n is A, C, G or T
W--> 456 <400> 18
E--> 457 ttttnttttc ayacngcnta yathgtn (27)
472 <210> SEQ ID NO: 20
473 <211> LENGTH: 27
474 <212> TYPE: DNA
475 <213> ORGANISM: Artificial Sequence
477 <220> FEATURE:
478 <223> OTHER INFORMATION: MART-1
W--> 480 <221> NAME/KEY: misc_feature
481 <222> LOCATION: (6)...(6)
482 <223> OTHER INFORMATION: n is A, C, G or T
W--> 484 <221> misc_feature
485 <222> LOCATION: (15)...(15)
486 <223> OTHER INFORMATION: n is A, C, G or T
W--> 488 <221> misc_feature
489 <222> LOCATION: (18)...(18)
490 <223> OTHER INFORMATION: n is A, C, G or T
W--> 492 <221> misc_feature
493 <222> LOCATION: (24)...(24)

```

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

494 <223> OTHER INFORMATION: n is A, C, G or T
W--> 496 <221> misc_feature
497 <222> LOCATION: (27)...(27)
498 <223> OTHER INFORMATION: n is A, C, G or T
W--> 501 <400> 20
E--> 502 ttttntatayc ayacnccnat ggtngtn (27)
517 <210> SEQ ID NO: 22
518 <211> LENGTH: 27
519 <212> TYPE: DNA
520 <213> ORGANISM: Artificial Sequence
522 <220> FEATURE:
523 <223> OTHER INFORMATION: MART-1
W--> 525 <221> NAME/KEY: misc_feature
526 <222> LOCATION: (6)...(6)
527 <223> OTHER INFORMATION: n is A, C, G or T
W--> 529 <221> misc_feature
530 <222> LOCATION: (15)...(15)
531 <223> OTHER INFORMATION: n is A, C, G or T
W--> 533 <221> misc_feature
534 <222> LOCATION: (18)...(18)
535 <223> OTHER INFORMATION: n is A, C, G or T
W--> 537 <221> misc_feature
538 <222> LOCATION: (27)...(27)
539 <223> OTHER INFORMATION: n is A, C, G or T
W--> 542 <400> 22
E--> 543 ttttntatayc ayacnccnat gathgtn (27)
559 <210> SEQ ID NO: 24
560 <211> LENGTH: 27
561 <212> TYPE: DNA
562 <213> ORGANISM: Artificial Sequence
564 <220> FEATURE:
565 <223> OTHER INFORMATION: MART-1
W--> 567 <221> NAME/KEY: misc_feature
568 <222> LOCATION: (6)...(6)
569 <223> OTHER INFORMATION: n is A, C, G or T
W--> 571 <221> misc_feature
572 <222> LOCATION: (9)...(9)
573 <223> OTHER INFORMATION: n is A, C, G or T
W--> 575 <221> misc_feature
576 <222> LOCATION: (12)...(12)
577 <223> OTHER INFORMATION: n is A, C, G or T
W--> 579 <221> misc_feature
580 <222> LOCATION: (15)...(15)
581 <223> OTHER INFORMATION: n is A, C, G or T
W--> 583 <221> misc_feature
584 <222> LOCATION: (21)...(21)
585 <223> OTHER INFORMATION: n is A, C, G or T
W--> 587 <221> misc_feature
588 <222> LOCATION: (24)...(24)

RAW SEQUENCE LISTING

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:38

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

589 <223> OTHER INFORMATION: n is A, C, G or T
W--> 591 <221> misc_feature
592 <222> LOCATION: (27)...(27)
593 <223> OTHER INFORMATION: n is A, C, G or T
W--> 595 <400> 24
E--> 596 ttyytnacnc cnytnngncc nhgngtn (27)
601 <210> SEQ ID NO: 25
602 <211> LENGTH: 9
603 <212> TYPE: PRT
604 <213> ORGANISM: Homo sapiens
606 <400> SEQUENCE: 25
607 Ala Ala Gly Ile Gly Ile Leu Thr Val
608 1 5
E--> 611 (11) -delete

VERIFICATION SUMMARY

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:39

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:94 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:98 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:102 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:106 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:110 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:114 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:118 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:122 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:123 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:4
L:146 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:150 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:154 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:158 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:162 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:166 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:170 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:174 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:6
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:175 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:6
L:197 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:201 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:205 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:209 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:213 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:217 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:221 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:225 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:8
L:226 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:226 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:8
L:248 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:252 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:256 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:260 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:264 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:268 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:272 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:10
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:273 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:10
L:295 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:299 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:303 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:307 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:311 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:315 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:319 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12
L:323 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12

VERIFICATION SUMMARY

DATE: 04/24/2002

PATENT APPLICATION: US/09/922,405A

TIME: 14:12:39

Input Set : A:\GZ 2103.00.txt

Output Set: N:\CRF3\04242002\I922405A.raw

L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:324 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:12
L:345 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:349 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:353 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:357 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:361 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:365 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:369 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:374 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14
L:375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:375 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:14
L:398 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:402 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:16
L:406 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:16
L:410 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:16
L:415 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:16
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:416 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:16
L:439 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:443 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18
L:447 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18
L:451 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18
L:456 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:18
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:457 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:18
L:480 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:484 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:20
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:502 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:20
L:525 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:543 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:543 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:22
L:567 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:596 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:24
L:611 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:25